2/4

1/1 - (C) FILE HCAPLUS
STN CA Caesar accession number : 1293
AN - 2002:465605 HCAPLUS
DN - 137:34033
ED - Entered STN: 21 Jun 2002
TI - Antistatic agents and polycarbonate compositions containing them with good transparency and impact resistance
IN - Sato, Ichiro; Nukui, Shinji; Shinohata, Masahiro; Kawakabe, Hiroshi; Hara, Yoshifusa; Sugiya, Tadashi
PA - Sumitomo Dow Limited, Japan; Nippon Chemical Industrial Co., Ltd.
SO - Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT - Patent
LA - Japanese
IC - ICM C08L069-00
ICS C08K005-50; C09K003-16
CC - 37-6 (Plastics Manufacture and Processing)
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PN - JP2002173592	A2	20020621	JP 2000-391799	200012 25

<--

PRAI- JP 2000-291725 A 20000926

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 2002173592	ICM	C08L069-00
	ICS	C08K005-50; C09K003-16
	IPCI	C08L0069-00 [ICM,7]; C08K0005-50 [ICS,7]; C08K0005-00 [ICS,7,C*]; C09K0003-16 [ICS,7]
	IPCR	C09K0003-16 [I,C*]; C09K0003-16 [I,A]; C08K0005-00 [I,C*]; C08K0005-50 [I,A]; C08L0069-00 [I,C*]; C08L0069-00 [I,A]

OS - MARPAT 137:34033
AB - The antistatic agents comprise phosphonium salts R4P+ AF6- [R = (OH- or alkoxy-substituted) C1-18 alkyl, aryl, aralkyl; A = P, Sb]. Thus, a compn. contg. 100 parts Calibre 200-10 (bisphenol A-phosgene copolymer) and 2 parts tributyldodecylphosphonium hexafluorophosphate was injection-molded to give a test piece showing notched Izod impact strength (ASTM D 256) 80 kg-cm/cm, total light transmittance (ASTM D 1003) 89%, and surface resistivity 3 .times. 1012 .OMEGA..
ST - antistatic agent polycarbonate phosphonium salt impact resistance; bisphenol phosgene polycarbonate butyldodecyl phosphonium fluorophosphate transparent
IT - Antistatic materials
Impact-resistant materials
(antistatic agents for polycarbonate compns. with good transparency and impact resistance)

IT - Polycarbonates, properties
RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(antistatic agents for polycarbonate compns. with good transparency and impact resistance)
IT - Phosphonium compounds
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(antistatic agents; antistatic agents for polycarbonate compns. with good transparency and impact resistance)
IT - Antistatic agents
(phosphonium salts; antistatic agents for polycarbonate compns. with good transparency and impact resistance)
IT - 436799-10-9 436799-11-0 436799-12-1 436799-13-2 436799-14-3 436799-15-4
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(antistatic agent; antistatic agents for polycarbonate compns. with good transparency and impact resistance)
IT - 24936-68-3, Calibre 200-10, properties 25971-63-5, Bisphenol A-phosgene copolymer
RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(antistatic agents for polycarbonate compns. with good transparency and impact resistance)
AN - 2002:465605 HCAPLUS
DN - 137:34033
TI - Antistatic agents and polycarbonate compositions containing them with good transparency and impact resistance
IN - Sato, Ichiro; Nukui, Shinji; Shinohata, Masahiro; Kawakabe, Hiroshi; Hara, Yoshifusa; Sugiya, Tadashi
PA - Sumitomo Dow Limited, Japan; Nippon Chemical Industrial Co., Ltd.
SO - Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT - Patent
LA - Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PN -	JP2002173592	A2	20020621	JP 2000-391799	200012 25

<--

PRAI- JP 2000-291725 A 20000926
OS - MARPAT 137:34033
AB - The antistatic agents comprise phosphonium salts R4P+ AF6- [R = (OH- or alkoxy-substituted) C1-18 alkyl, aryl, aralkyl; A = P, Sb]. Thus, a compn. contg. 100 parts Calibre 200-10 (bisphenol A-phosgene copolymer) and 2 parts tributyldodecylphosphonium hexafluorophosphate was injection-molded to give a test piece showing notched Izod impact strength (ASTM D 256) 80 kg-cm/cm, total

light transmittance (ASTM D 1003) 89%, and surface resistivity 3 .times. 1012 .OMEGA..

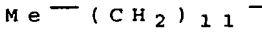
?

Switching to CAPLUS
Switching to ZREGISTRY
Display of compounds in JP2002173592
? ..li hitstr 1-1

1/1 - (C) FILE CAPLUS
IT - 436799-10-9 436799-11-0 436799-12-1
436799-13-2 436799-14-3 436799-15-4
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(antistatic agent; antistatic agents for polycarbonate compns. with good transparency and impact resistance)
RN - 436799-10-9 CAPLUS
CN - Phosphonium, tributyldodecyl-, hexafluorophosphate(1-) (9CI) (CA INDEX NAME)

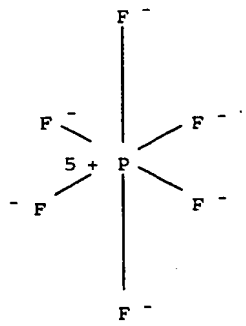
CM 1

CRN 17895-73-7
CMF C24 H52 P



CM 2

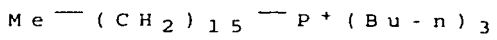
CRN 16919-18-9
CMF F6 P
CCI CCS



RN 436799-11-0 CAPLUS
CN Phosphonium, tributylhexadecyl-, hexafluorophosphate(1-) (9CI) (CA INDEX NAME)

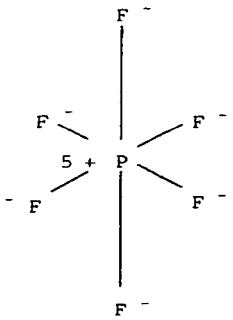
CM 1

CRN 66997-36-2
CMF C28 H60 P



CM 2

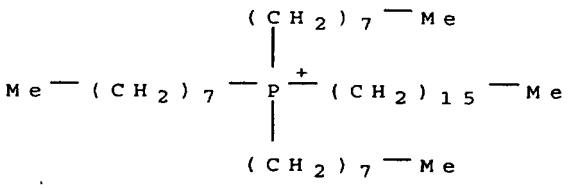
CRN 16919-18-9
CMF F6 P
CCI CCS



RN 436799-12-1 CAPLUS
CN Phosphonium, hexadecyltrioctyl-, hexafluorophosphate(1-) (9CI) (CA INDEX NAME)

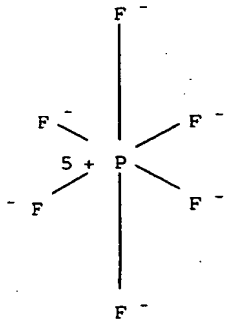
CM 1

CRN 125652-20-2
CMF C40 H84 P



CM 2

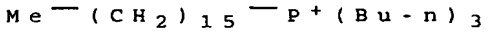
CRN 16919-18-9
CMF F6 P
CCI CCS



RN 436799-13-2 CAPLUS
CN Phosphonium, tributylhexadecyl-, (OC-6-11)-hexafluoroantimonate(1-) (9CI) (CA INDEX NAME)

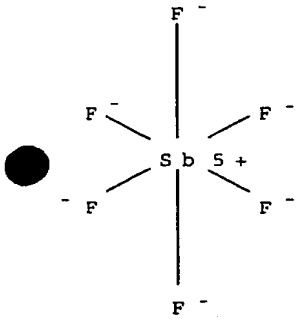
CM 1

CRN 66997-36-2
CMF C28 H60 P



CM 2

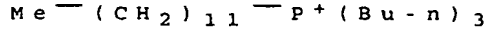
CRN 17111-95-4
CMF F6 Sb
CCI CCS



RN 436799-14-3 CAPLUS
CN Phosphonium, tributyldodecyl-, (OC-6-11)-hexafluoroantimonate(1-) (9CI) (CA INDEX NAME)

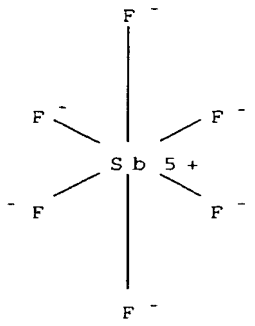
CM 1

CRN 17895-73-7
CMF C24 H52 P



CM 2

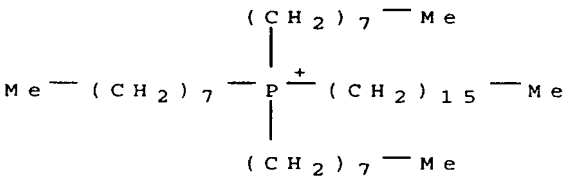
CRN 17111-95-4
CMF F6 Sb
CCI CCS



RN 436799-15-4 CAPLUS
CN Phosphonium, hexadecyltrioctyl-, (OC-6-11)-hexafluoroantimonate(1-) (9CI) (CA INDEX NAME)

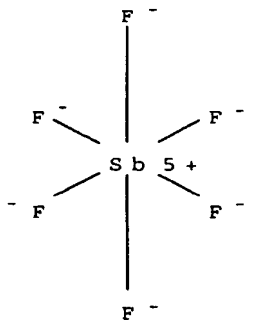
CM 1

CRN 125652-20-2
CMF C40 H84 P



CM 2

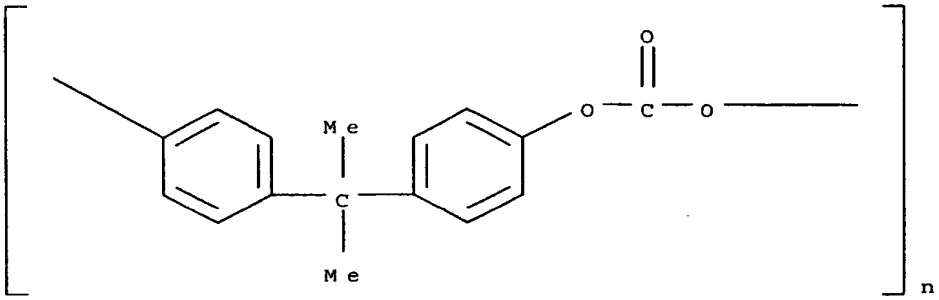
CRN 17111-95-4
CMF F6 Sb
CCI CCS



IT ***24936-68-3*** , Calibre 200-10, properties ***25971-63-5*** ,
Bisphenol A-phosgene copolymer
RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(antistatic agents for polycarbonate compns. with good transparency and impact resistance)

RN 24936-68-3 CAPLUS

CN Poly[oxycarbonyloxy-1,4-phenylene(1-methylethylidene)-1,4-phenylene] (9CI) (CA INDEX NAME)

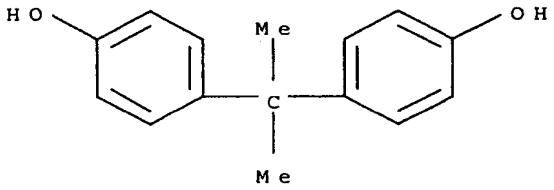


RN 25971-63-5 CAPLUS

CN Carbonic dichloride, polymer with 4,4'-(1-methylethylidene)bis[phenol] (9CI) (CA INDEX NAME)

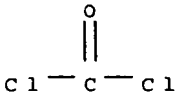
CM 1

CRN 80-05-7
CMF C15 H16 O2



CM 2

CRN 75-44-5
CMF C Cl2 O



? Display of structures from JP2002173592 complete

Switched back to HCAPLUS